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(54) ADDITIVE FOR LUBRICATING OIL AND LUBRICATING OIL COMPOSITION

(57)Abstract:

PURPOSE: To provide the subject additive composed of a reaction product of phosphoric acid and a compound having long-chain alkyl group and amine group, having excellent abrasion-resistance, cleanliness, heat-resistance, frictional properties, etc., and useful especially for hydraulic oil, lubricating oil for internal combustion engine, ATF oil, etc.

CONSTITUTION: The objective additive is composed of a material produced by reacting (A) a compound having long-chain alkyl group and amine group in the same molecule [e.g. succinimide (derivative), benzylamine, polyalkenylamine and polyoxyalkylene aminoamide] with (B) phosphoric acid (preferably not more than the equivalent of the amine of the component A) preferably at room temperature to 150° C. The additive is added in an amount of 0.01-15 pts.wt. (preferably 0.1-7 pts.wt.) to 100 pts.wt. of a lubricating base oil.

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